



# Connecticut Public Safety State Interoperability Executive Committee (CPSSIEC)

Public Safety Interoperable  
Communications Program

Presenter Michael Varney



# Program Description

## **General Program Description/Objective:**

The Committee's authority derives from various state and federal statutes, Its primary purpose is to make recommendations to the Coordinating Council and the Commissioner of DEMHS with regard to sharing real-time voice, data and video information with authorized first responders and other critical components of the emergency management and public safety community, including, but not limited to:

- Channel system policy development and utilization;
- Interoperability policy development;
- Grant guidance;
- Review and approval of proposed local/regional radio interoperability systems.

**Program Sponsor:** Commissioner Peter Boynton, DEMHSCC

**Program Budget:** \$\$\$

**Funding Source:** Grant Funding from various sources such as: (PSIC, IECGP, UASI, Transit Security, etc.)

**Program Breakdown**

#	Project Status	Project Name	Description	Status – Next Milestone	Point of Contact	Budget  Funding Source	Estimated Completion Date	SCIP NEC P Goal	Ref. Project #
1	GREEN	Public Safety Data Network – Phase #1	Connection of public safety answering points (PSAP) and key state facilities together with fiber optic network.	Construction Phase: Continued installation of facility equipment and construction of fiber optic network. (Over 95% backbone & laterals are complete) Site equip. deployment has begun.	OSET Consultant – Gerald Werner	\$27,500,000  BTOP 911	February 2011	1	2,3
2	GREEN	Next Generation (NG) 911	Replace the existing ISDN Enhanced 9-1-1 Emergency Telephone System with an Internet Protocol (IP) based system at 107(+5) Public Safety Answering Points (PSAPs).	In Business Requirements Phase. RFP advertised.	OSET – Mike Guerrero	\$16,000,000  911	April 2012	-	1

**Program Breakdown**

#	Project Status	Project Name	Description	Status – Next Milestone	Point of Contact	Budget  Funding Source	Estimated Completion Date	SCIP NEC P Goal	Ref. Project #
3	GREEN	Project 25 (P25) Radio Controller Upgrade	Upgrade the existing Radio System Controller used by CT State Police to the APCO P25 standards-based open architecture to provide a shared statewide radio network and maximize radio frequency sharing (interoperability) across participating jurisdictions.	Installation of equipment in Rocky Hill completed. Testing and remote installations are being conducted.	DPS - Paul Zito	\$6,732,960 PSIC	November 2010	1	1
4	GREEN	Mobile Communication Vehicles	Purchase and deploy 6 mobile communication vehicles for the 5 DEMHS regions and 1 for DEMHS statewide use.	Met with prospective GSA contractors awaiting initial responses.	DEMHS – John Gustafson	\$1,200,000 PSIC	September 2011	2	-

**Program Breakdown**

#	Project Status	Project Name	Description	Status – Next Milestone	Point of Contact	Budget  Funding Source	Estimated Completion Date	SCIP NEC P Goal	Ref. Project #
5	GREEN	Strategic Technology Reserve (STR)	Required component of PSIC grant to provide equipment and service for communication redundancy and surge capacity	Ordering initial equipment.	DEMHS – John Gustafson	\$1,006,000  PSIC	September 2011	2	-
6	GREEN	Shoreline Transit Security Communications Enhancement	This will provide immediate interoperability with train crews and first responders from NY to New Haven instant mutual aid communications in addition to the states of NY and NJ.	Infrastructure in place. Installation of remote sites initiated, portable radio equipment being programmed and user policies being written.	DEMHS – John Gustafson	\$750,000  Transit Security Grant	February 2011	3	-
7	GREEN	Mobile EOC	Satellite connected deployable capability of 20 phones, laptops, and access points.	Training, configuration and user acceptance testing completed. Final documentation to be done October 2010	DOIT - Sheri DeVaux	\$240,000  HSGP PSIC	October 2010	2	-



## Program Breakdown

#	Project Status	Project Name	Description	Status – Next Milestone	Point of Contact	Budget  Funding Source	Estimated Completion Date	SCIP NEC P Goal	Ref. Project #
8	Yellow  (Sched)	DEMHS Region 2 Microwave enhancement	This project will expand and enhance the two existing EMS UHF CMED networks and the New Haven UASI repeater system region wide using the facilities of the Connecticut State Police microwave system.	Project reviewed and re-baselined, proposal updated and initial equipment ordered in October.	DPS – Paul Zito Region 2 – Greg Prevost Scoping: John Gustafson	\$365,000  HSGP	June 2011	3	-
9	RED	DEMHS Region 4 Communications Project	This will develop a IP based digital switch that will allow the connection of communications networks operated by regional and local Public Safety Answering Points in DEMHS Region 4.	Equipment delivered, installation and configuration of equipment pending. <b>Project in danger of completion. Meeting was held issue with use of PSDN.</b> R4 personnel attended training in Sept.	Region 4 – Jeff Otto DEMHS – John Gustafson	\$600,000+  HSGP	June 2010	3	1

### Program Breakdown

#	Project Status	Project Name	Description	Status – Next Milestone	Point of Contact	Budget  Funding Source	Estimated Completion Date	SCIP NECP Goal	Ref. Project #
10	<b>YELLOW</b>  (Schedule)	DEMHS Region 1 UASI (Stamford) Communications Enhancement P25 700Mhz Interoperable Trunked Radio System.	Regional radio communication system will integrate local and regional agencies on a common radio network platform to support multi-agency and multi-jurisdiction interoperable communications.	Equipment engineered and staged. Installation of and configuration of equipment to be completed once State receives completed municipal MOUs from Stamford. Contractor being hired to assist with governance and usage.	DEMHS Region 1 – Kerry Flaherty DPS – Paul Zito Gov. Doc: Dan Warzoha	\$4,183,300*  Anticipate to use future UASI \$ for more subscriber units  HSGP UASI	June 2011	3 NECP Goal #1	1,3
11	<b>YELLOW</b>  (Schedule)	Tactical Interoperable Communications Plan (TICP) DEMHS Region #1 UASI	The TIC Plan documents what interoperable communications resources are available within the region and the operational procedures for the use of each resource.	Review and update of plan.	Region 1 - Joseph Gaudett	\$87,000*  ICTAP IECGP	June 2011	7 NECP Goal #1	16

**Program Breakdown**

#	Project Status	Project Name	Description	Status – Next Milestone	Point of Contact	Budget  Funding Source	Estimated Completion Date	SCIP NECP Goal	Ref. Project #
12	GREEN	Tactical Interoperable Communications Plan (TICP) DEMHS Region #2	The TIC Plan documents what interoperable communications resources are available within the region and the operational procedures for the use of each resource.	Completion and formal approval of plan.	Region 2 – Greg Prevost	\$87,000* ICTAP IECGP	June 2011	7 NECP Goal #2	16
13	GREEN	Tactical Interoperable Communications Plan (TICP) DEMHS Region #3	The TIC Plan documents what interoperable communications resources are available within the region and the operational procedures for the use of each resource.	Review and update of existing plan.	Region 3 - Keith Victor	\$87,000* ICTAP IECGP	June 2011	7 NECP Goal #1	16



**Program Breakdown**

#	Project Status	Project Name	Description	Status – Next Milestone	Point of Contact	Budget  Funding Source	Estimated Completion Date	SCIP NECP Goal	Ref. Project #
14	GREEN	Tactical Interoperable Communications Plan (TICP) DEMHS Region #4	The TIC Plan documents what interoperable communications resources are available within the region and the operational procedures for the use of each resource.	Completion and formal approval of plan.	Region 4 - Jeff Otto	\$87,000*  ICTAP IECGP	June 2011	7 NECP Goal #2	16
15	GREEN	Tactical Interoperable Communications Plan (TICP) DEMHS Region #5	The TIC Plan documents what interoperable communications resources are available within the region and the operational procedures for the use of each resource.	Completion and formal approval of planned for November.  Gap analysis being conducted for region.	Region 5 - Steve Savage	\$87,000*  ICTAP IECGP	June 2011	7 NECP Goal #2	16



### Program Breakdown

#	Project Status	Project Name	Description	Status – Next Milestone	Point of Contact	Budget Funding Source	Estimated Completion Date	SCIP NECP Goal	Ref. Project #
16	GREEN	State Agency Tactical Interoperable Communications Plan (TICP)	The TIC Plan documents what interoperable communications resources are available within the region and the operational procedures for the use of each resource.	Final scheduling of Interoperable Technical Assistance workshop for plan development to be scheduled in September.	DOIT - Michael Varney	N/A Technical Assistance	June 2011	7 NECP Goal #1 & #2	10,11, 12,13, 14,15,
18	GREEN	FEMA Project: Integrated Public Alert and Warning System (IPAWS) / Emergency Alert System (EAS)	(IPAWS) is the nation's next-generation infrastructure of alert and warning networks expanding upon the traditional audio-only radio and television Emergency Alert System (EAS) by providing one message over more media for disasters.	Wireless Carriers to comply with new implementation guidance by June 2012.	DEMHS – John Gustafson	N/A	June 2012	4,5	17



## Program Breakdown

#	Project Status	Project Name	Description	Status – Next Milestone	Point of Contact	Budget Funding Source	Estimated Completion Date	SCIP NECP Goal	Ref. Project #
21	GREEN	National Emergency Communication Plan (NECP) Goal #2	By <u>2011</u> , 75 percent of <u>non-UASI</u> jurisdictions are able to demonstrate response-level <u>emergency</u> communications within <u>one hour</u> for routine events involving multiple jurisdictions and agencies	Formalized goal measurement process. Practitioners to be educated and guidelines distributed.	DOIT – Michael Varney	DHS/OEC	October 2011	NECP Goal 2	
22	GREEN	National Emergency Communication Plan (NECP) Goal #3	By <u>2013</u> , 75 percent of <u>all jurisdictions</u> are able to demonstrate response-level emergency communications within <u>three hours</u> , in the event of a significant event as outlined in national planning scenarios	Wait for guidance from OEC to formalize goal measurement process.	DOIT – Michael Varney	DHS/OEC	October 2013	NECP Goal 3	-

**Program Breakdown**

#	Project Status	Project Name	Description	Status – Next Milestone	Point of Contact	Budget Funding Source	Estimated Completion Date	SCIP NEC P Goal	Ref. Project #
24	GREEN	Public Safety VHF & UHF Narrow Banding	Update, where required replace radio equipment to comply with FCC narrowband ruling affecting VHF and UHF band radios	Conduct inventory & assessment of all emergency response agencies. Awaiting guidance documents from DHS-OEC	TBD	TBD	Jan 1, 2013	3	-
25	GREEN	Special Service Units 700MHz MHz Frequency Plan	Establish 700MHz frequencies for use by emergency service specialty Teams (Bomb, HazMat, Tactical Ops.)	Formalize draft plan and submit to FCC Region 19 for approval.	DEMHS – John Gustafson DOIT – Bernie O'Donnell	N/A	October 2011	3	10

**Program Breakdown**

#	Project Status	Project Name	Description	Status – Next Milestone	Point of Contact	Budget Funding Source	Estimated Completion Date	SCIP NEC P Goal	Ref. Project #
26	GREEN	State Agency 700MHz Plan Allocation Plan	Establish 700MHz frequency use plan for CT agencies.	Timeline changed to meet FCC filing window. Complete agency business requirements for radio use.	DOIT – Michael Varney Bernie O'Donnell	N/A	October 2011	3	25
27	GREEN	Regional 700MHz Pool frequencies allocation Plan	Establish 700MHz frequency use plan for remaining CT regions / counties.	Create plans for use in regions 2-5 and remaining 7 counties for submission to FCC Region 19..	TBD	N/A	October 2011	3	25, 26

**Program Breakdown**

#	Project Status	Project Name	Description	Status – Next Milestone	Point of Contact	Budget  Funding Source	Estimated Completion Date	SCIP NEC P Goal	Ref. Project #
29	GREEN	ITAC / ICALL Infrastructure	Support of existing ITAC / ICALL fixed repeater system and connections to 50+ sites statewide providing interoperability channel coverage.	Update training for statewide user base.	DPS – Paul Zito	\$23,640 /month DPS	Ongoing	3	54
30	GREEN	ITAC / ICALL – Land Mobile Radios (LMR) & Control stations	1100+ portable radios, 120+ control stations and 40+ mobile units distributed throughout CT for direct and repeater interoperable communications.	Update programming of radios to expand capabilities to be completed once transit portable are completed.	DEMHS – John Gustafson DPS – Paul Zito	\$150,000 /yr HSGP PSIC	Ongoing	3	6, 29
31	GREEN	CT Statewide Police Emergency Radio Network (CSPERN) Infrastructure	Support of existing CSPERN fixed repeater system and connections to 50+ sites statewide providing law enforcement interoperability.	Update training for statewide user base.	DPS – Paul Zito	\$13,920 /month DPS	Ongoing	3	29

**Program Breakdown**

#	Project Status	Project Name	Description	Status – Next Milestone	Point of Contact	Budget  Funding Source	Estimated Completion Date	SCIP NEC P Goal	Ref. Project #
33	GREEN	CMED Infrastructure	Fixed infrastructure which allows hospital to hospital and hospital to ambulance communications.	Update inventory of existing system from 2008 and perform propagation study of coverage.	TBD	TBD	January 2013	3	24
34	RED	CMED LMR Specifications	Mobile communication equipment specifications used for licensed providers to communicate with hospitals in CT.	Specification completed and under review by EMS Advisory Board.	Technical Sub-Committee DEMHS – John Gustafson	TBD	November 2010	3	
37	GREEN	Education and Outreach - Educational Summit	Identify and Coordinate interoperability training programs and exercises to measure effectiveness.	Develop and coordinate statewide Interoperability conference Participate in regional communication exercises.	DOIT – Michael Varney Training & Exercise Committee	\$15,000 (conf) \$multi  IECGP UASI HSGP	Ongoing	4	Multi

**Program Breakdown**

#	Project Status	Project Name	Description	Status – Next Milestone	Point of Contact	Budget Funding Source	Estimated Completion Date	SCIP NECP Goal	Ref. Project #
38	GREEN	Statewide Interoperability Coordinator (SWIC) & DHS Office of Emergency Communications (OEC) liaison activities	SWIC coordination and liaison work with OEC. A requirement of PSIC grant program.	Attendance at SWIC meetings and representation on several national working groups (NECP update, IECGP & Safecom Grant Guidance, Performance Measurement)	DOIT – Michael Varney	N/A	Ongoing	3,4,5, 6,7 NECP Goal #1, #2, #3	Multi
39	GREEN	Multi-state Radio Communication Coordination	Interstate project, grant and frequency coordination.	Multi-state meeting in NY regarding frequency planning.	OSET – Steve Verbil Paul Zito DOIT – Michael Varney	TBD  IECGP	Ongoing	3,7	



**Program Breakdown**

#	Project Status	Project Name	Description	Status – Next Milestone	Point of Contact	Budget  Funding Source	Estimated Completion Date	SCIP NEC P Goal	Ref. Project #
40	GREEN	State Fire Rescue Disaster plan	Coordination and support of existing statewide and county fire coordination frequencies and equipment	Complete installation of fixed 46.16 base station upgrades within CT.	DOIT – Michael Varney	\$100,000  State Fire Radio	Ongoing	3	-
41	GREEN	New Britain integration into statewide P25 Switch	New Britain requested use of P25 controller to save money with their radio system upgrade.	Waiting to for correspondence from Jim Donnelly of New Britain for anticipated requirements and schedule.	TBD	TBD  New Britain	TBD	1,2,3	1,3
42	GREEN	Shared SOPs & SOGs using National Interoperability Information Exchange (NIIX)	Place existing SOPs and SOGs as well as templates on secure site for emergency responder planning and use.	Collect updated SOPs and SOGs to be placed on site and expand training for more users.	DOIT – Michael Varney	Service provided by OEC and NPSTC	TBD	5, 11-15	

**Program Breakdown**

#	Project Status	Project Name	Description	Status – Next Milestone	Point of Contact	Budget Funding Source	Estimated Completion Date	SCIP NEC P Goal	Ref. Project #
43	GREEN	FEMA Regional Emergency Communications Coordination Working Group (RECCWG) Activities	FEMA Region 1 emergency communications coordination group to address multiple issues working with other New England states.	Hosting next quarterly meeting in Mass July 15 <sup>th</sup> .	DOIT – Michael Varney	Travel expenses when available	Ongoing	3,4,5,6,7	39
44	GREEN	Satellite Phones contract update done by DPH in 2005	Create new specifications and rebid satellite phone equipment and services contract which expired March 2010. Used by many organizations.	Develop specifications and complete bid document for posting.	DOIT – Michael Varney	N/A	December 2010	-	

**Program Breakdown**

#	Project Status	Project Name	Description	Status – Next Milestone	Point of Contact	Budget Funding Source	Estimated Completion Date	SCIP NEC P Goal	Ref. Project #
47	GREEN	Update of Governance of CPSSIEC	Update and clarify governance of CPSSIEC to better align with NECP.	Meet with DEMHS legal council to review, update and recommend changes to current by-laws	DOIT – Michael Varney	N/A	June 2011	6	
48	GREEN	USAR radios	Upgrade radio equipment and Interoperability channels, to be addressed by special services 700Mhz plan.	Complete 700Mhz special services plan.	DEMHS – John Gustafson	TBD PSIC	March 2011	3	

**Program Breakdown**

#	Project Status	Project Name	Description	Status – Next Milestone	Point of Contact	Budget Funding Source	Estimated Completion Date	SCIP NEC P Goal	Ref. Project #
49	GREEN	DHS grant reviews by Interoperability technical committee	Ongoing technical reviews of grant requests for communications interoperability equipment and services	Requests reviewed by committee as received. Currently none pending.	DEMHS – John Gustafson	N/A	Ongoing	1,2,3,4,5,6	-
50	GREEN	Communication s Unit Leader (COML) training & credentialing	Provide for the training and credentialing of COML personnel in CT.	Schedule next COML training session and credential qualified pe CT personnel sent to train the trainer program.	DOIT – Michael Varney	TBD  IECGP	Ongoing	4,7	-
51	GREEN	Communication Technician (COMT) training & credentialing	Provide for the training and credentialing of COMT personnel in CT.	DPS personnel sent to pilot program. Schedule COMT training once available from DHS.	DOIT – Michael Varney	TBD  IECGP	Ongoing	4,7	-

**Program Breakdown**

#	Project Status	Project Name	Description	Status – Next Milestone	Point of Contact	Budget  Funding Source	Estimated Completion Date	SCIP NEC P Goal	Ref. Project #
53	GREEN	CT Interoperability Field Operations Guide (I-FOG)	Printed and electronic guide for field practitioner use to use as a reference guide to achieve interoperable communications	Rebaselined and extended date. Met with National and California I-FOG Coordinators.	DOIT – Michael Varney	\$15,000  IECGP	June 2011	3,4,5	
54	GREEN	DPS Motorola radio communications system re-banding	Conversion of DPS 800Mhz radio system to new frequencies.	Signing of contract and schedule with Nextel. Accelerated schedule to be completed by early 2011.	DPS - Paul Zito	TBD  Sprint	December 2011	3	2,29,30,31,32
55	GREEN	Statewide Communications Interoperability Plan (SCIP) Update	Update to initial SCIP to reflect updates as required by the NECP.	Update based on workshops held and feedback received.	DOIT – Michael Varney	TBD  IECGP	July 2011	All	-

**Program Breakdown**

#	Project Status	Project Name	Description	Status – Next Milestone	Point of Contact	Budget  Funding Source	Estimated Completion Date	SCIP NEC P Goal	Ref. Project #
56	<b>YELLOW</b>  (funding)	State Agency 700MHz Build out	Build out of site(s) for 700MHz use of state channel pool use frequencies per FCC 90.529	Detail initial build out and propagation for 33% coverage. Locate funding source.	DOIT – Michael Varney	TBD	October 2011	3	
57	<b>Red</b>  (Funding)	Additional ICALL / ITAC build out of DPS infrastructure sites.	Additional sites to be installed to address coverage issues in Oxford, E. Haddam, Plymouth, Stamford & State Police Academy	Equipment has been ordered and installation will begin once received.	DPS - Paul Zito	\$900,000  HSGP	January 2013	3	

**Projects Completed**

#	Project Status	Project Name	Description	Status – Next Milestone	Point of Contact	Budget  Funding Source	Estimated Completion Date	SCIP NEC P Goal	Ref. Project #
20	DHS/OEC	National Emergency Communication Plan (NECP) Goal #1	By <u>2010</u> , 90 percent of all high-risk urban areas designated within the Urban Areas Security Initiative ( <u>UASI</u> ) are able to demonstrate response-level <u>emergency</u> communications within <u>one hour</u> for routine events involving multiple jurisdictions & agencies	Coordinate Federal and peer review of Region 1 & 3 events. Provide peer reviewers for other urban areas. Region 1 completed June 12 Region 3 completed June 26	DOIT – Michael Varney Region 1 – Joe Gaudett Region 3 – Cheryl Assis	N/A	September 2010 Completed June 2010	NEC P Goal 1	
32		CSPERN Mobile radios	800 radios to local PD non state ownership picked up by locals	25 available radios to be used as spare Completed	DEMHS - John Gustafson	\$720,000 HSGP LETPP	June 2010	3	31

**Projects Completed**

#	Project Status	Project Name	Description	Status – Next Milestone	Point of Contact	Budget  Funding Source	Estimated Completion Date	SCIP NEC P Goal	Ref. Project #
35		UHF Radio Cache	70 radios pre-programmed with regional frequencies located at DEMHS for immediate deployment.	Education and deployment plan developed and update channel programming conducted Completed.	DEMHS – John Gustafson	\$70,000 HSGP IECGP	July 2010	2	4,5
36		VHF Radio Cache	18 radios pre-programmed with regional frequencies located at DEMHS for immediate deployment.	Education and deployment plan to be developed and update of channel programming to be conducted	DEMHS – John Gustafson	\$18,000 HSGP IECGP	July 2010	2	4,5
45		State Radio Contracts rebid	Create new specifications and rebid two way radio communications equipment and services contract which expires June 7, 2010	Bids posted and reviewed and new contracts in place with the addition of base station radios.  Completed.	DOIT – Michael Varney Kris Wohlgemuth	N/A	June 2010	-	



**Projects Completed**

#	Project Status	Project Name	Description	Status – Next Milestone	Point of Contact	Budget  Funding Source	Estimated Completion Date	SCIP NEC P Goal	Ref. Project #
17	<b>GREEN</b>	Emergency Notification System (ENS) Everbridge	Emergency notification system for use by all PSAPS and key state agencies for public and employees. (130 Organizations)	Completed opt in website, guidelines and reporting processes. Over 95% of PSAPs Trained to date. Press Conference and demo held June 28.	DPS/OSET- Mike Guerra	\$1,400,000  911	June 2010	4,5	18
19	<b>GREEN</b>	Communications Asset and Survey Mapping (CASM) Training	Federal online system for communication asset inventory, location and interoperability.	Training scheduled at DOIT in July. Continue assistance for configuration.	DEMHS - Dave Brown DOIT - Michael Varney	N/A DHS/OEC Technical Assistance IECGP	Sept. 2010	4	4,10 11,12 13,14 15,16
23	<b>GREEN</b>	Video Teleconferencing Project (VTC)	VTC Project for Pandemic COOP and field deployment	Rebaselined due to delays of grant approvals. Equipment ordered, installations being scheduled.	DOIT – Michael Varney Sheri DeVaux	\$349,000 HSGP CDC PSIC	Sept. 2010	2	1, 4,7

**Projects Completed**

#	Project Status	Project Name	Description	Status – Next Milestone	Point of Contact	Budget  Funding Source	Estimated Completion Date	SCIP NEC P Goal	Ref. Project #
28	GREEN	Statewide Tactical On Scene Communications System (STOCS)	Field deployable multiband cross-band radios that are deployed across the state with public safety agencies.	76 units deployed, remaining unit deployment ongoing with training	DEMHS – John Gustafson	\$500,000	September 2010	3	4
46	GREEN	WebEOC training for Communication Unit leaders	Provide WebEOC training for Communication Unit Leader and Regional Communication personnel not yet educated.	Provided training to DPS / CTS staff, and identify additional personnel.	DEMHS – John Gustafson	N/A	Ongoing	4	